



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total
PO039126	ACI001-VC	10	1	Net 30	MT-A513-T-0.625W0.095	A513 Seamless Alloy Steel Round Tubing 0.625"dia. x 0.095" Wall				20	3/7/2018	22		S049614	Stock	3/9/2018	\$ 2.96 / ft	0	\$65.	
					MT-A513-T-0.750W0.095	A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.095" Wall						23		S049615	Stock	3/9/2018	\$ 2.41 / ft	0	\$55.	
										Total:	40	45								\$93.5

Plex 3/9/2018 10:48 AM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039126

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039126
PO Date: 2/26/18
Due Date: 3/2/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal Phone: clavoie@dartaero.com



FEB 27 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: quotation no: sou0087982

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M4140H-R1.000		4140 round bar 1.00 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02-A-434- BC/A193-03-GRADE B7/- A29-03/A322-91 OR UNS#-G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI	Firmed	3/2/18	12 ft	0 ft	12 ft	\$4.664/ft	\$55.97
2	M304B0.500X6.000		304 Bar 0.500 X 6.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	3/2/18	6 ft	0 ft	6 ft	\$45.48666/ft	\$272.92
3	M304B0.625X6.000		304 Bar 0.625 X 6.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	3/2/18	6 ft	0 ft	6 ft	\$55.83333/ft	\$335.00
4	M304S11GA		304/316 0.125 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	3/2/18	96 sf	0 sf	96 sf	\$12.2298/sf	\$1,174.06

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PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
5	M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	3/2/18	64 sf	0 sf	64 sf	\$5.355/sf	\$342.72
6	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	3/2/18	192 sf	0 sf	192 sf	\$6.508625/sf	\$1,249.66
7	M304S20GA		304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	3/2/18	96 sf	0 sf	96 sf	\$3.9085416/sf	\$375.22
8	M304R5.500		304 SS Round bar 5.500 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	3/2/18	8 ft	0 ft	8 ft	\$310.625/ft	\$2,485.00
9	M304R0.625		304 SS Round bar 0.625 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	3/2/18	24 ft	0 ft	24 ft	\$2.6591666/ft	\$63.82
10	MT-A513-T-0.625W0.095		A513 Seamless Alloy Steel Round Tubing 0.625"dia. x 0.095" Wall	Firmed	3/2/18	20 ft	0 ft	20 ft	\$2.9595/ft	\$59.19
11	MT-A513-T-0.750W0.095		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.095" Wall	Firmed	3/2/18	20 ft	0 ft	20 ft	\$2.4095/ft	\$48.19
12	MT-A513-T-1.000W0.120		A513 Seamless Alloy Steel Round Tubing 1"dia. x 0.120" Wall	Firmed	3/2/18	20 ft	0 ft	20 ft	\$2.4695/ft	\$49.39
13	M6061T6B2.000X01.250		6061-T6 Bar 2.00 X 1.25 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/2/18	12 ft	0 ft	12 ft	\$10.1125/ft	\$121.35

PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
14	M6061T6B0.750X04.000		6061-T6 Bar .750 X 4.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/2/18	12 ft	0 ft	12 ft	\$10.429166/ft	\$125.15
15	M6061T6B1.000X1.750		6061T6 Bar 1.000 X 1.750 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/2/18	12 ft	0 ft	12 ft	\$20.16666/ft	\$242.00
16	M304B0.750X2.500		304 Bar .750 X 2.50 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	3/2/18	36 ft	0 ft	36 ft	\$25.241944/ft	\$908.71
17	M6061T6S.050		6061-T6 .050 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	3/2/18	96 sf	0 sf	96 sf	\$3.3095833/sf	\$317.72
18	M6061T6S.250		6061T6 Sheet .250 : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	3/2/18	32 sf	0 sf	32 sf	\$9.92875/sf	\$317.72
19	M1018R0.313		1018-1025 Round Bar .313 : MATERIAL: AISI 1018-1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	3/2/18	12 ft	0 ft	12 ft	\$0.4958333/ft	\$5.95
20	M1018B1.000X1.000		1010-1025 Steel Bar 1.000 X 1.000 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W	Firmed	3/2/18	12 ft	0 ft	12 ft	\$3.6025/ft	\$43.23

PURCHASE ORDER

Line Item	Part	Supplier Part No	Description	Items							Unit Price (CAD)	Extended Price				
				Status	Due Date	Order Quantity	Received Quantity	Balance								
Grand Total: \$8,592.96																
Order Notes																
<p>Procurement Quality Clauses</p> <p>A005 right of entry</p> <p>A012 chemical and physical test report</p> <p>A016 personnel qualification</p> <p>A017 raw material identification (as applicable)</p> <p>A026 certification of material conformance</p> <p>A041 quality management system</p> <p>A042 dart notification by supplier</p> <p>A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.</p>																
Plex 2/26/18 2:10 PM dart.lavoie.chantal																

**DELIVERY - CLIENT****Copy**

CO00077365

ACIER OUELLETTE INC.

935, Boul. du Havre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
 HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M**Delivery Route** 5**Customer N°**

CLI0001056

Date

2018/03/07

Delivery date

2018/03/09

Your order N°

39126

Processed by

Denis Quenneville

Salesman**Carrier**

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Page

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 TUBE MEC 0.625 OD X .095 (R) * TME-0625095 6763 <i>1 x HEAT: 15D2317</i>	12.91	24.00	PI_CPI		14						DAS 11 9-89
					22'7"		22				
3 TUBE MEC 0.750 OD X .095 (R) * TME-0750095 8163 <i>1 x HEAT: 15102800</i>	15.96	24.00	PI_CPI		14						DAS 11 9-89
					23'		23				
transit st-jerome le 8/03											
transit st-jerome 28/03											

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 28.87

NIR : R-109516-6

Prepared By: <i>ADM</i>	Verified By: <i>PM</i>
-------------------------	------------------------

Delivered By: <i>VW</i>	Time
-------------------------	------

Y	M	D
18	03	09

Total (\$CAD)

Customer's Signature

Date



7953 Washington Woods Dr.,

Dayton, OH 45459

Phone: (937)573-4875 Fax (702)928-4128

Material Test Report

Date	MTR No.
5/07/2016	0000058726
Ref No: 104702	

TEST CERTIFICATE ACC TO DIN 50049 E 3.1 B/EN: 10204: 3.1

Part Number 87-15955-10

PO Number: 87-15955

Description: A513T5-14; SRA; DQM; Grade=1020; Category=CARBON WELDED; Round; OD=0.625"; ID=0.435"; (WT=0.095"); Deburred; Length=240" to 288"

Product: TUBE

Ends: Deburred

Heat No: 15D2317

Steel Grade: 1020

DIMENSIONS		TOLERANCE			QUANTITY				
MM	IN	-VE	+VE	UOM	NUMBER	METER / FT	WEIGHT TON		
OD	15.875	0.625	0.0000	0.0050	IN	4	6,351.422	20,838.000	5.800
ID	11.049	0.435	0.0050	0.0000	IN				
WT	2.413	0.095	0.0000	0.0000	IN	6,096.000 - 7,315.200 MM	240.000 - 288.000 IN		

CHEMICAL ANALYSIS				
ELEMENTS	UOM	MIN	MAX	MILL
Carbon (C)	%	0.1800	0.2300	0.2040
Manganese (Mn)	%	0.3000	0.6000	0.4190
Silicon (Si)	%			0.1110
Aluminum (Al)	%			0.0350
Phosphorus (P)	%		0.0350	0.0090
Sulfur (S)	%		0.0350	0.0050
Chromium (Cr)	%			
Nickel (Ni)	%			
Molybdenum (Mo)	%			
Vanadium (V)	%			
Copper (Cu)	%			
Columbium (CB)	%			
Calcium (Ca)	%			
Titanium (Ti)	%			
Nitrogen (N)	%			
Boron (B)	%			
Zirconium (Zr)	%			
Antimony (Sb)	%			
Tin (Sn)	%			

100% EDDY CURRENT TESTING- E309

PASSED

FLATTENING TEST

PASSED

FLARING TEST

PASSED

STRAIGHTNESS

PASSED (1/1000 MM)

Remarks:

Melted In: INDIA

Produced In: INDIA

Product is free of weld repair and has not come in contact with Mercury or any of its components.

We hereby Certify that the material described above conforms to Specification and Purchase Order.

Bill Johnston

Quality Co-ordinator

Any questions, Please email: TestReports@aaris-llc.com

TPI Work Test Certificate



**TUBE INVESTMENTS OF INDIA
TUBE PRODUCTS OF INDIA - MODULE - 1
POST BOX NO.4 & 18, M T H ROAD, AVADI, CHENNAI - 600054**



Order No. : BC5283 /06-JAN-16

TC No : PAE/8C1610749
Date : 31-JAN-16

Description : PRECISION STEEL TUBES - CDW
Specification : ASTM A513 / A513M-15 T5 1020
Condition : SRA
Bundle No's : 016000794,016000793

Invoice No : 4421809573
Invoice Date : 29-JAN-16
Job/Batch No : RBCL1601415

Cust Part No :
Bundle Tagging : CUSTOMER SIZE / CONDITION / QUANTITY / GROSS WEIGHT / TAG MARKING / WO.NO. / SPEC & GRADE / DESTINATION / BUNDLE NO / COUNTRY OF ORIGIN.
Tube Marking : P.O.NO. / TPI-ED / SIZE / SPEC / CONDITION / TAG MARKING / HEAT NO. / MADE IN INDIA.
P. Uom : Inches
Size : .750" OD x .560" ID x 0.095" WT x 20' - 24' RL

Quantity In : 4250.591 Ft

LADLE ANALYSIS :

Process	Heat No.	%C	%Mn	%P	%S	%Si	%Al
Min		.18	.3				
Max		.23	.6	.035	.035		
Obs	15102800	.185	.52	.005	.005	.011	.044

Full Section Longitudinal Tensile Test at Room Temp			
Test	Heat No	Y.S	T.S
Min		379	448
Max			10
Obs	15102800	475.15	587.1

Rock Well Hardness
75 HRB

Dimensions in : Inches				
Spec	OD	ID	WT	Length
Min	.75	.555		240
Max	.755	.56		288
Obs-Min	.752	.556	0	240
Obs-Max	.754	.559	0	287.992

Technological Tests :

Test	Spec	Result
Crushing		-
Flaring		-
Flattening		-
Flanging		-
Rev. Flang.		-
Elong. / Gang. Len.		-

Non-Destructive Tests :

Test	Spec	Result
Roughness OD		-
Roughness ID		-
Straightness	0.76/1000 MM MAX	0.30/1000 MM
Eddy Current	100	100% TESTED OK
Visual		DEFECT FREE
Ultrasonic Test		-

This is to certify that the goods are supplied as per the purchase order and specification Requirements

Prepared by : K.yuvayaryani

Quality Shift Incharge Signature:

for Tube Investments of India
Unit: Tube Products of India Module - 1

[Signature]

Mathavan.M
Mgr-Quality-IBP-TP

8163

AC7785

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-A513-T-0.750W0.095 PO / BATCH NO.: 039126/5049615
 DATE: MAR 09 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 23'
 QUANTITY INSPECTED: 23'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W0.095
 THICKNESS RECEIVED: W0.095
 SHEET SIZE ORDERED: 11A
 SHEET SIZE RECEIVED: 11A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Astan A513</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Heat # 15102800</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89</u> <u>MAR 09 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW RELEASE	17-655	17.09.06	VM	WM
B	TYPE 5 ADDED, TEMPLATE UPDATED	17-790	17.12.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM)

SPECIFICATION: ASTM A513 TYPE 5

PART NUMBER: MT-A513-T-[D.DDD]W[T.TTT]

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES

WHERE T.TTT IS WALL THICKNESS IN INCHES

EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

DART
AEROSPACE Hawkesbury, Ontario, Canada

TITLE		REV.
ASTM A513 TYPE 5 (1020/1026) ALLOY STEEL ROUND TUBING (DOM)		B
PART NO.		MT-A513-T
TOOL NO.		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES INTERNSATIONAL PRACTICE AS OF JAN-2009 DIMENSIONS APPLY AFTER FINISHING		
DESIGNED BY:	VM 17/12/13	TOLERANCES: XXK $\pm .005$
DRAWN BY:	VM 12/13/2017	XXK $\pm .01$
CHECKED BY:	MIL 12/20/2017	XX $\pm .1$
MFG REVIEW BY:	DP 12/20/2017	SURFACE ROUGHNESS
APPROVED BY:	ML 12/20/2017	SCALE: NTS SHEET 1 OF 1
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-A513-T-0.625W0.095
 DATE: MAR 09 2018

PO / BATCH NO.: 039126/5049614

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 22
 QUANTITY INSPECTED: 22
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W0.095
 THICKNESS RECEIVED: W0.095
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/>	N
CORROSION	Y <input checked="" type="radio"/>	N
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/>	N
CORRECT THICKNESS	Y <input checked="" type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/>	N
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/>	N
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/>	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-09-2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW RELEASE	17-655	17.09.06	VM	WM
B	TYPE 5 ADDED, TEMPLATE UPDATED	17-790	17.12.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: **ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM)**

SPECIFICATION: **ASTM A513 TYPE 5**

PART NUMBER: **MT-A513-T-[D.DDD]W[T.TTT]**

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES

WHERE T.TTT IS WALL THICKNESS IN INCHES

EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

DART AEROSPACE		Hawthorn, Ontario, Canada
TITLE		
ASTM A513 TYPE 5 (1020/1026) ALLOY STEEL ROUND TUBING (DOM)		
PART NO.	MT-A513-T	REV B
TOOL NO.	INITIALS AND DATE	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES INTERPRET PER ASME Y14.5M-2009 DIMENSIONS APPLY AFTER FINISHING		
DESIGNED BY:	VM 17/12/13	TOOLANCES:
DRAWN BY:	VM 12/13/2017	MAX. +.005
CHECKED BY:	ML 12/20/2017	MIN. -.015
MFG REVIEW BY:	DP 12/20/2017	FRACTIONS $\pm \frac{1}{16}$
APPROVED BY:	ML 12/20/2017	ANGLES $\pm 5^\circ$
		JK $\pm .1$
		SURFACE ROUGHNESS
		FROM DART AEROSPACE LTD
COPYRIGHT © 2017 BY DART AEROSPACE LTD		
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. IT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE USED FOR ANY PURPOSE, OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		